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SKYLAB

- A. Title of investigation: The Great Basin Investigation
- B. Number of investigation: #357
- C. Period covered: Monthly progress report for May 1974
- D. Contract number: 9-13274
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I. Overall Status:

1. Work is continuing on lithologic and structural studies using S-190A and S-190B enlarged transparencies. The initial phase of this work is being completed without the benefit of existing aircraft imagery and geologic maps. The second phase will involve aircraft and spacecraft imagery followed by comparison of existing geologic maps and later field observations.
2. Some field observations have been conducted involving fault studies, part of which was done to verify how large some of the fault scarps were that we were observing on the imagery.
3. Work has been started plotting earthquake epicenters using S-190A imagery which will be correlated with structural studies at a later date.
4. Our special order S-190B transparencies from SL-3 along with the S-190B black and white from Track #20 have been received. The latter are being enlarged in house to a scale of 1:250,000 in order to have on hand all the relevant data for Dr. Melhorn to review so that he can determine if it can be used in the geomorphic studies.

J. Expected accomplishments for the next reporting period.

1. Dr. Melhorn is expected in early June to examine the imagery and suggest how and where the geomorphic studies will be conducted using Skylab imagery.
2. I will be using two weeks of my annual leave to instruct at the geological summer field camp. The camp area is located in the center of our test area which will afford me the unique opportunity to examine some of the areas we have been mapping on the Skylab imagery.
3. The data analysis will continue as previously described.